

ABSTRACT

A disk drive having a control system which adjusts seek velocity profiles is disclosed. The seek velocity profile is adjusted based on the direction of the seek and the location of the target track. If the seek is away from the ramp, the seek velocity profile is not adjusted. If the seek is toward the ramp, the control system determines the location of the target track. If the target track is within a predefined distance of the ramp, and the transducer velocity exceeds a predetermined velocity, the seek velocity profile is adjusted to limit the deceleration current. The adjustment may be a preset factor, or may be a variable factor depending upon the distance from the target track to the ramp.

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